FIGURE 1

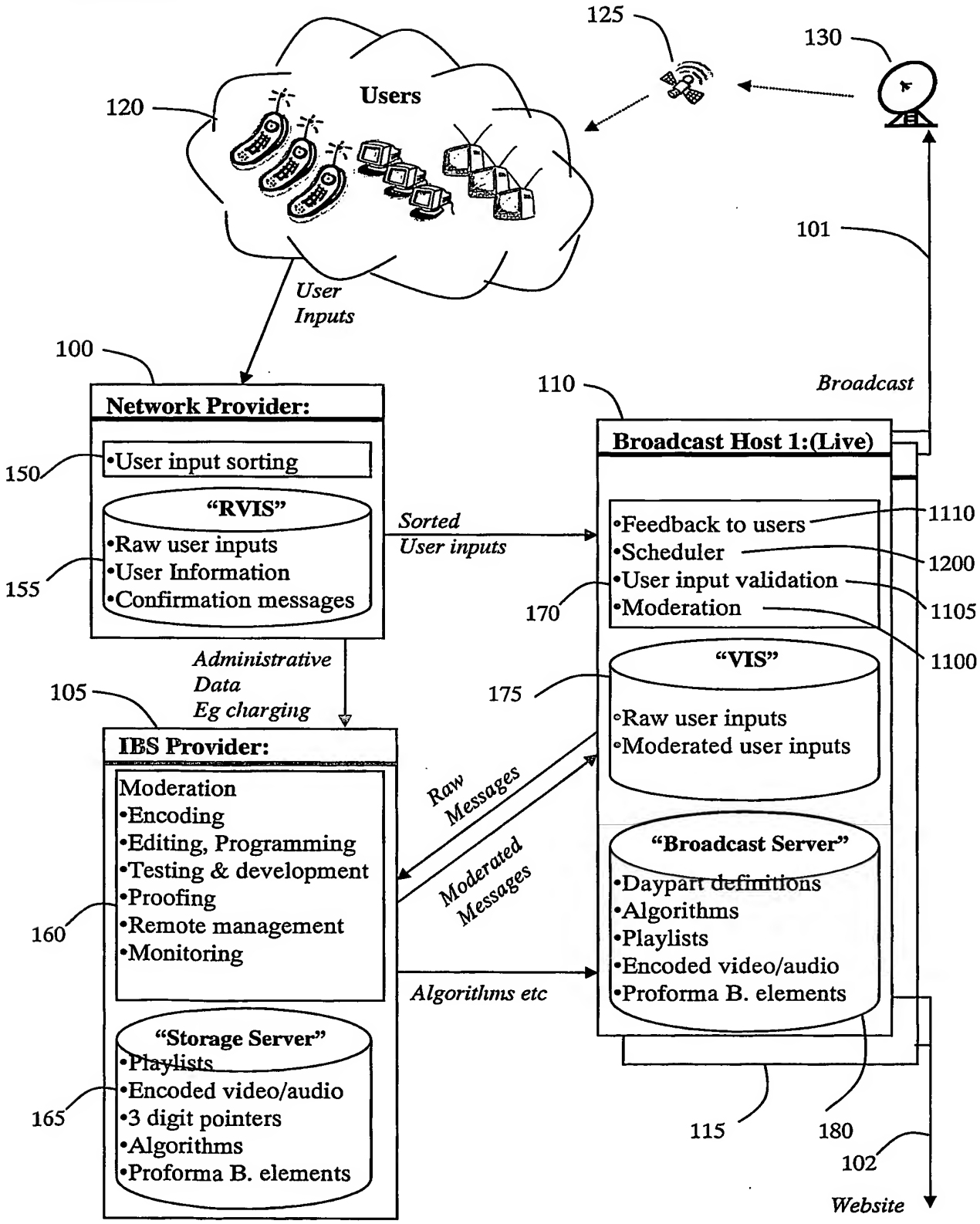

125
130
120
Users
101
User
Inputs
100
110
Broadcast
Network Provider:
•User input sorting
150
"RVIS"
•Raw user inputs
•User Information
•Confirmation messages
155
Sorted
User inputs
Broadcast Host 1:(Live)
•Feedback to users
•Scheduler
•User input validation
•Moderation
1110
1200
1105
1100
170
Administrative
Data
Eg charging
105
175
"VIS"
◦Raw user inputs
◦Moderated user inputs
IBS Provider:
Moderation
•Encoding
•Editing, Programming
•Testing & development
•Proofing
•Remote management
•Monitoring
160
Raw
Messages
Moderated
Messages
"Broadcast Server"
•Daypart definitions
•Algorithms
•Playlists
•Encoded video/audio
•Proforma B. elements
Algorithms etc
"Storage Server"
•Playlists
•Encoded video/audio
•3 digit pointers
•Algorithms
•Proforma B. elements
165
115
180
102
Website

FIGURE 2

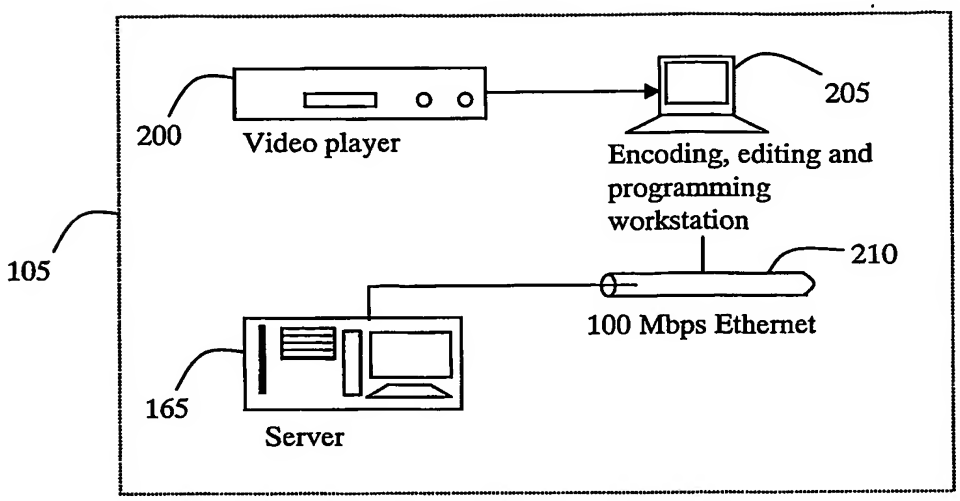


FIGURE 3

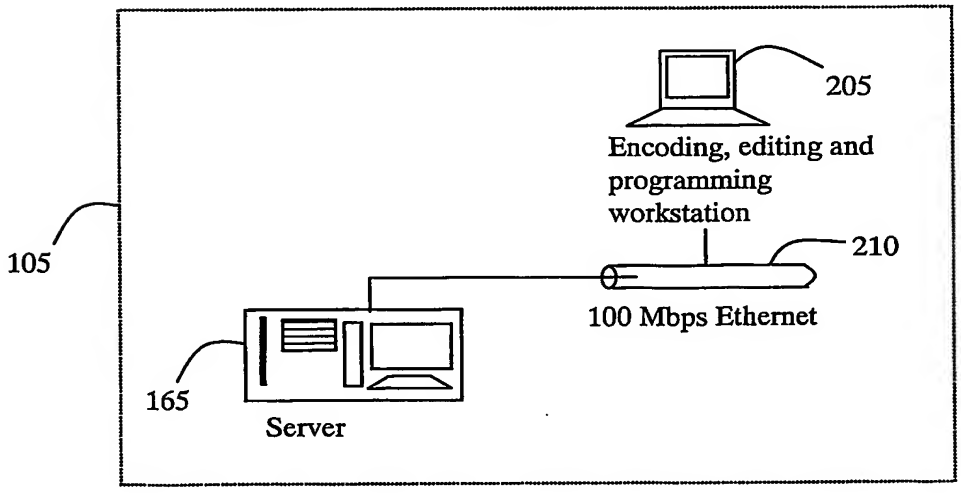


FIGURE 4

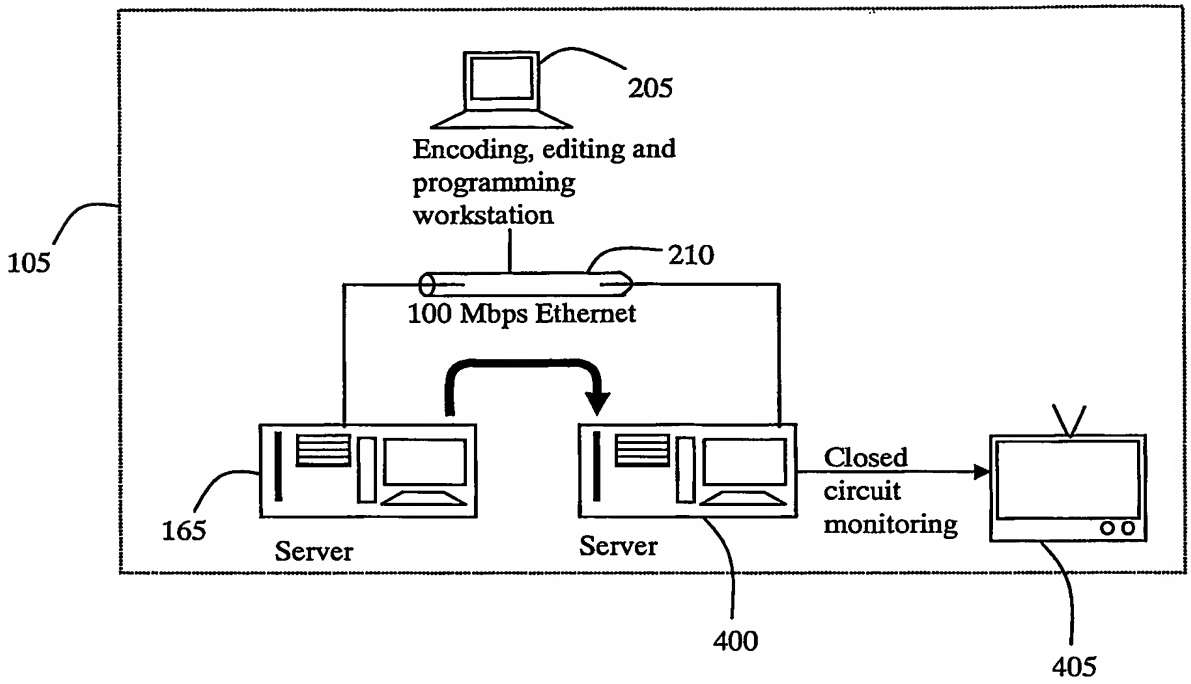


FIGURE 5

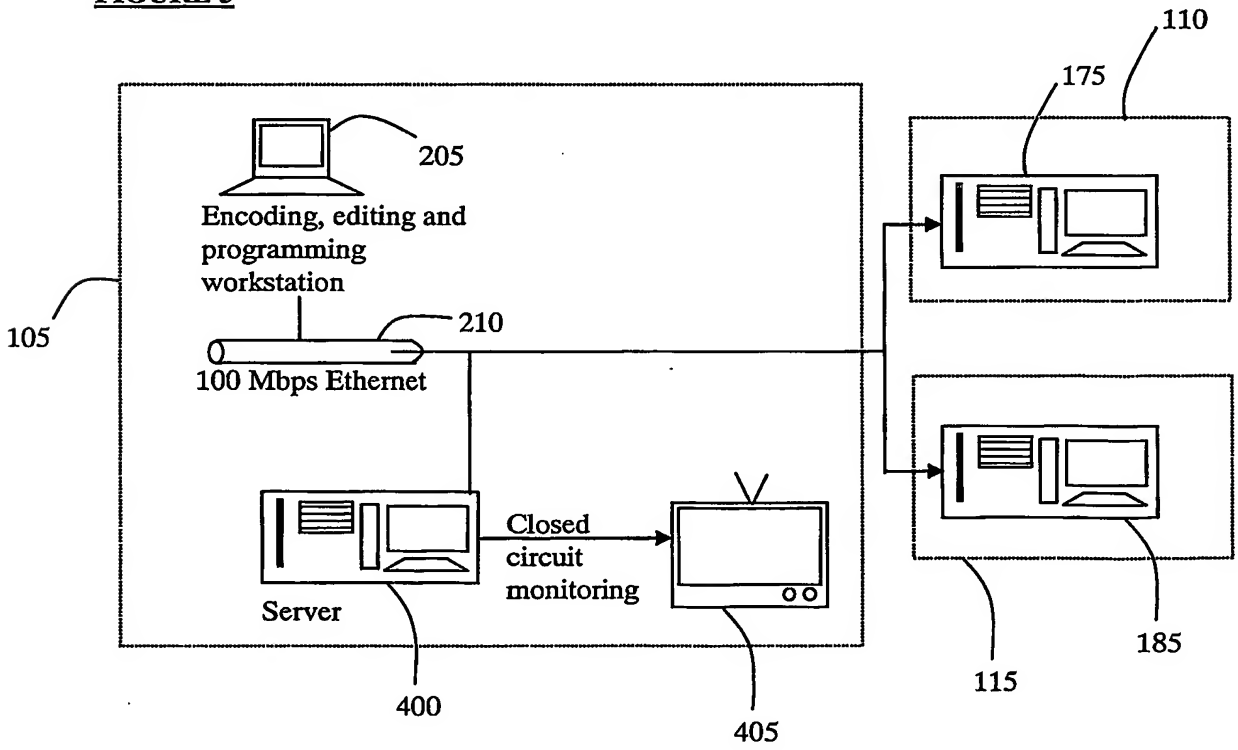


FIGURE 6

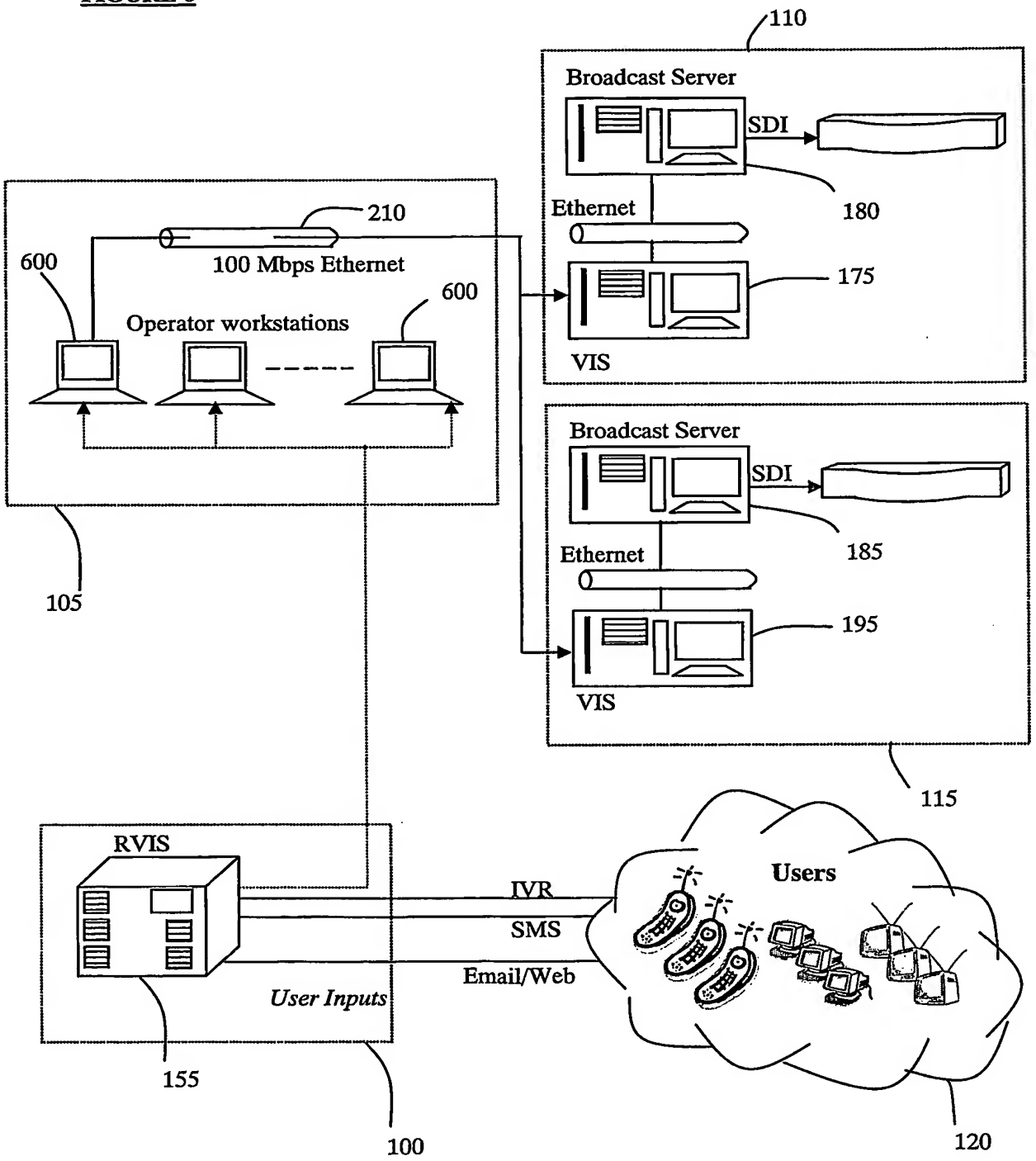

110
Broadcast Server
SDI
180
Ethernet
175
VIS
210
100 Mbps Ethernet
600
600
Operator workstations
105
Broadcast Server
SDI
185
Ethernet
195
VIS
115
RVIS
IVR
SMS
Email/Web
Users
User Inputs
155
100
120

FIGURE 7

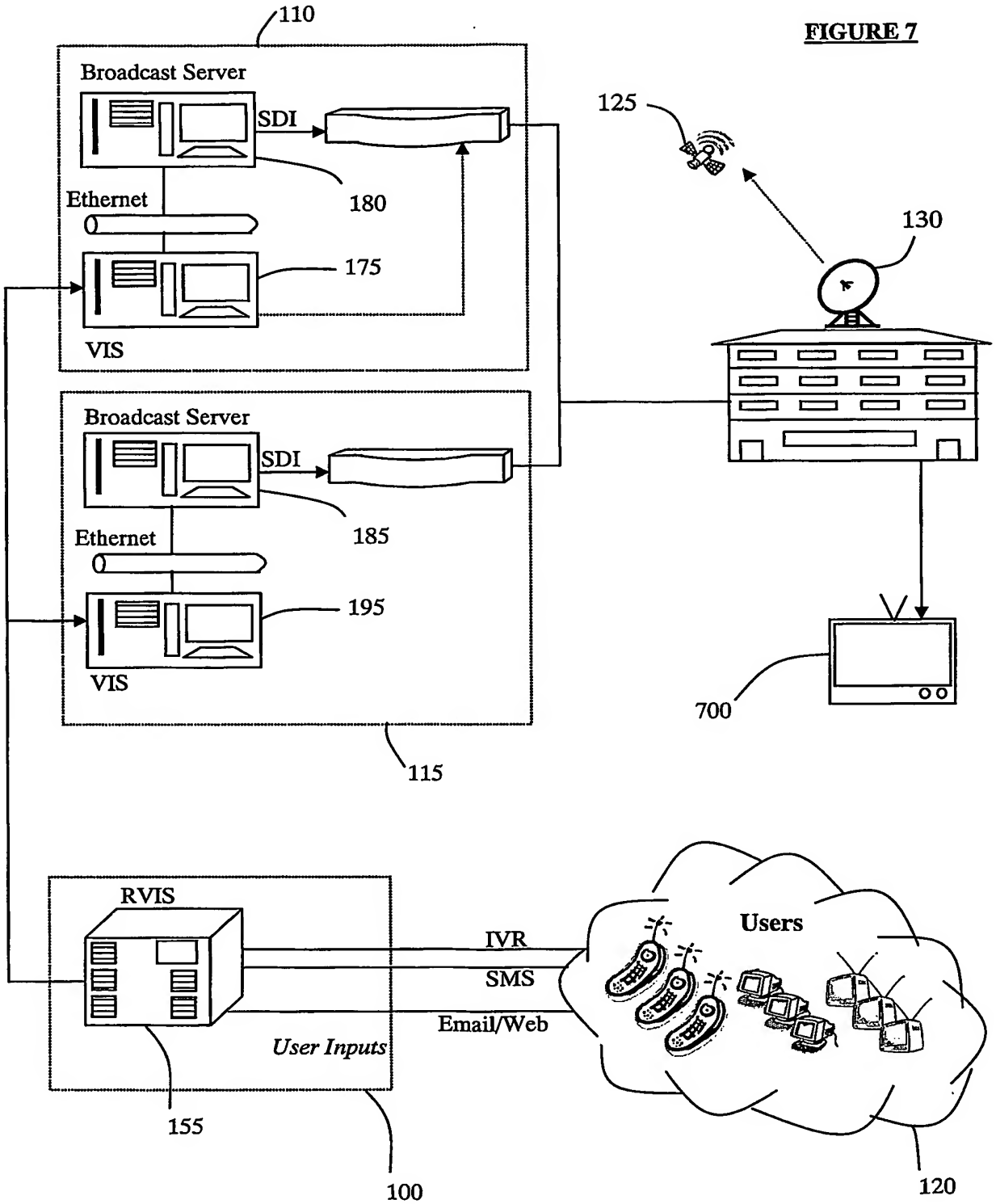

110
Broadcast Server
SDI
180
Ethernet
175
VIS
Broadcast Server
SDI
185
Ethernet
195
VIS
115
125
130
700
RVIS
IVR
SMS
Email/Web
User Inputs
155
100
Users
120

FIGURE 8

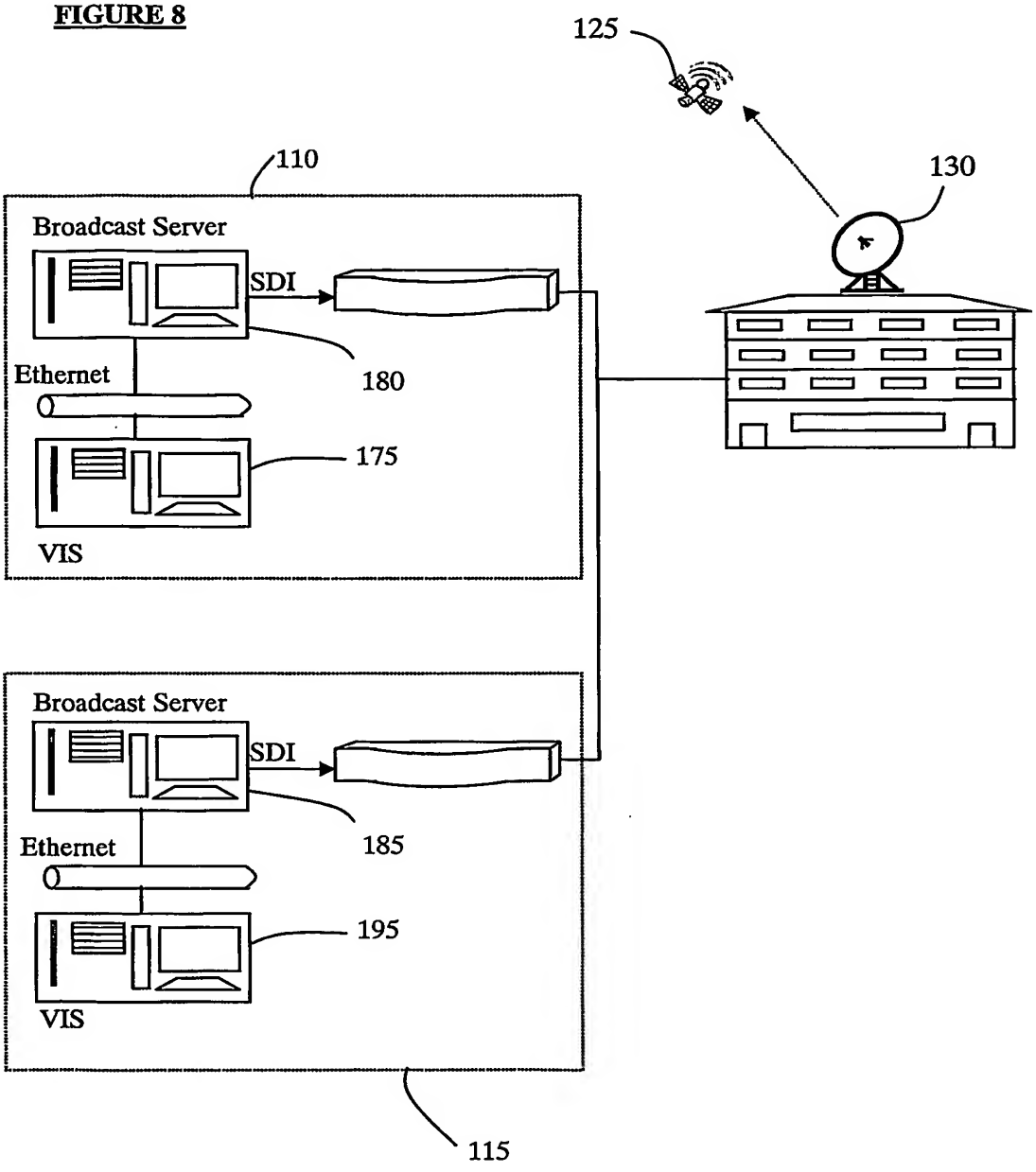

125
110
130
Broadcast Server
SDI
180
Ethernet
175
VIS
Broadcast Server
SDI
185
Ethernet
195
VIS
115

FIGURE 9

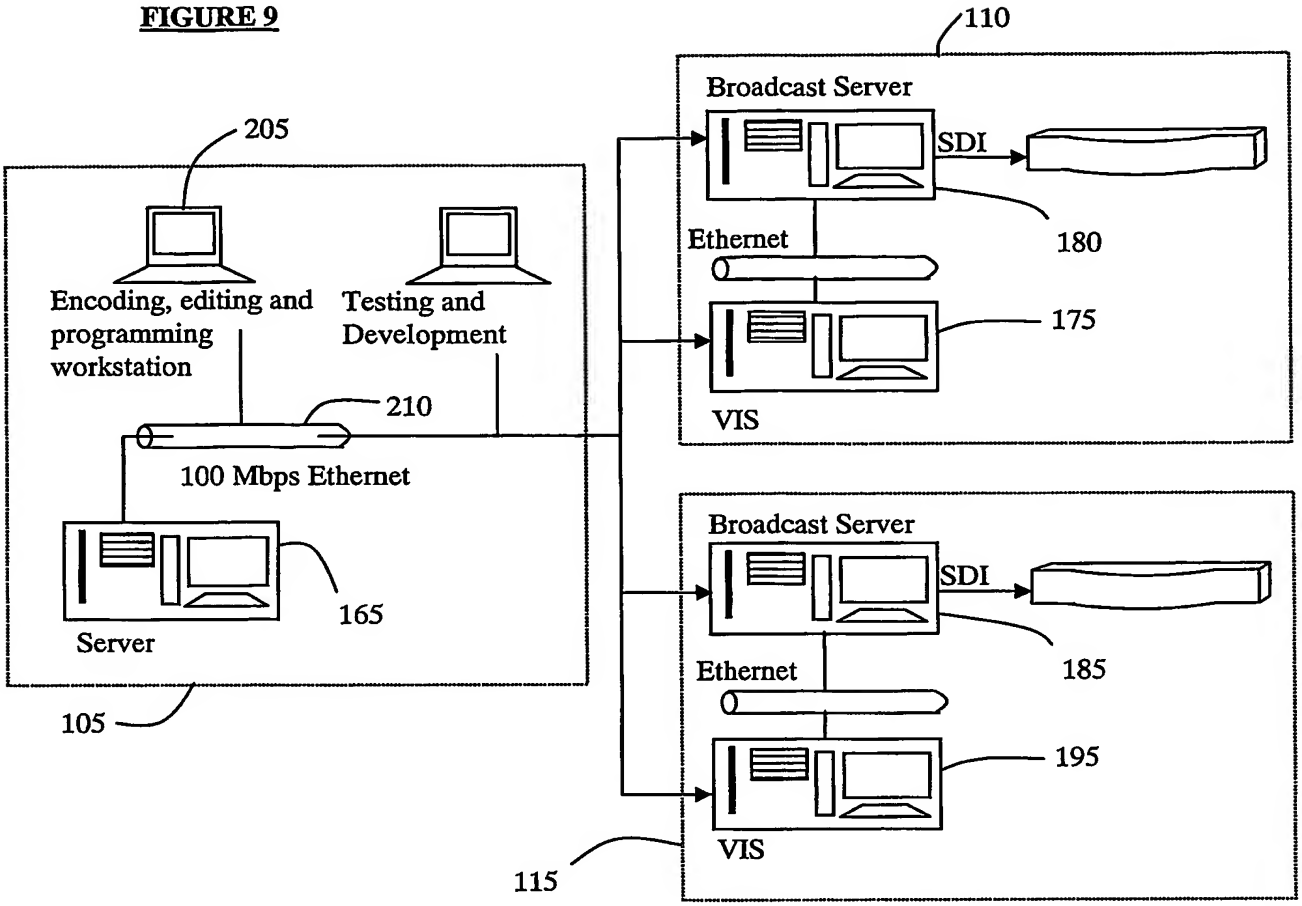


FIGURE 10

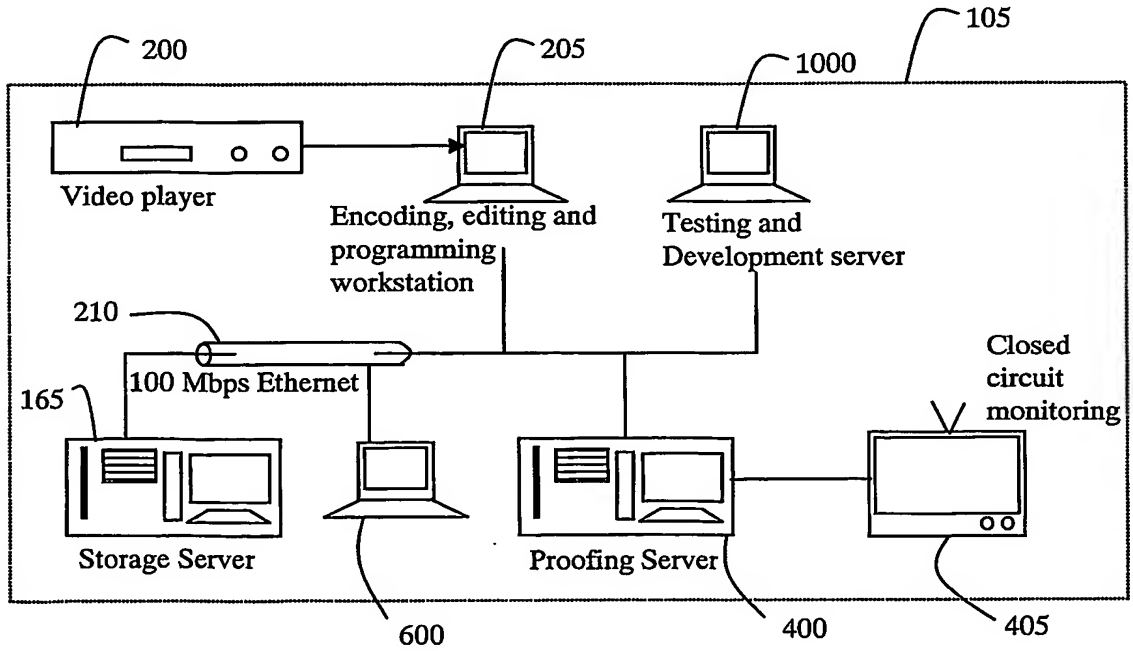


FIGURE 11

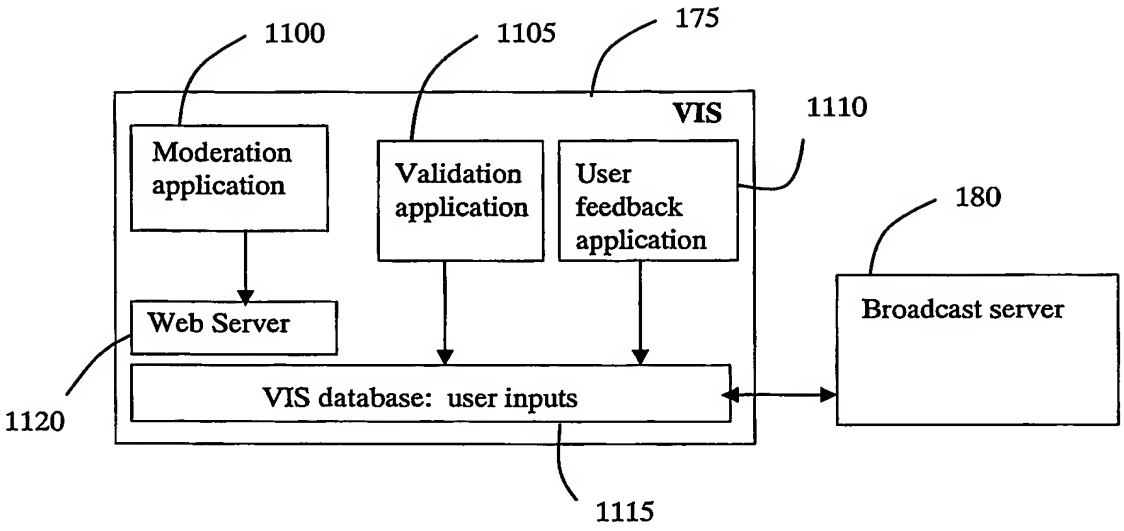


FIGURE 12

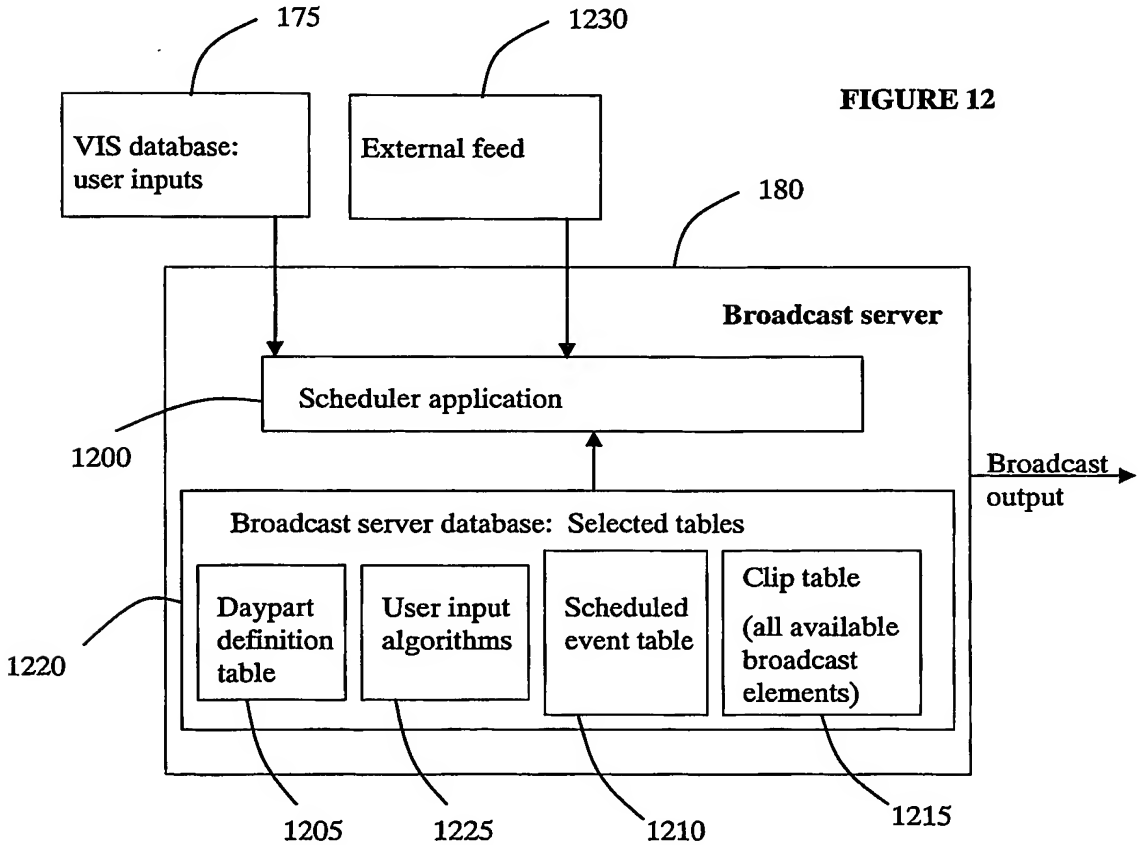


FIGURE 13

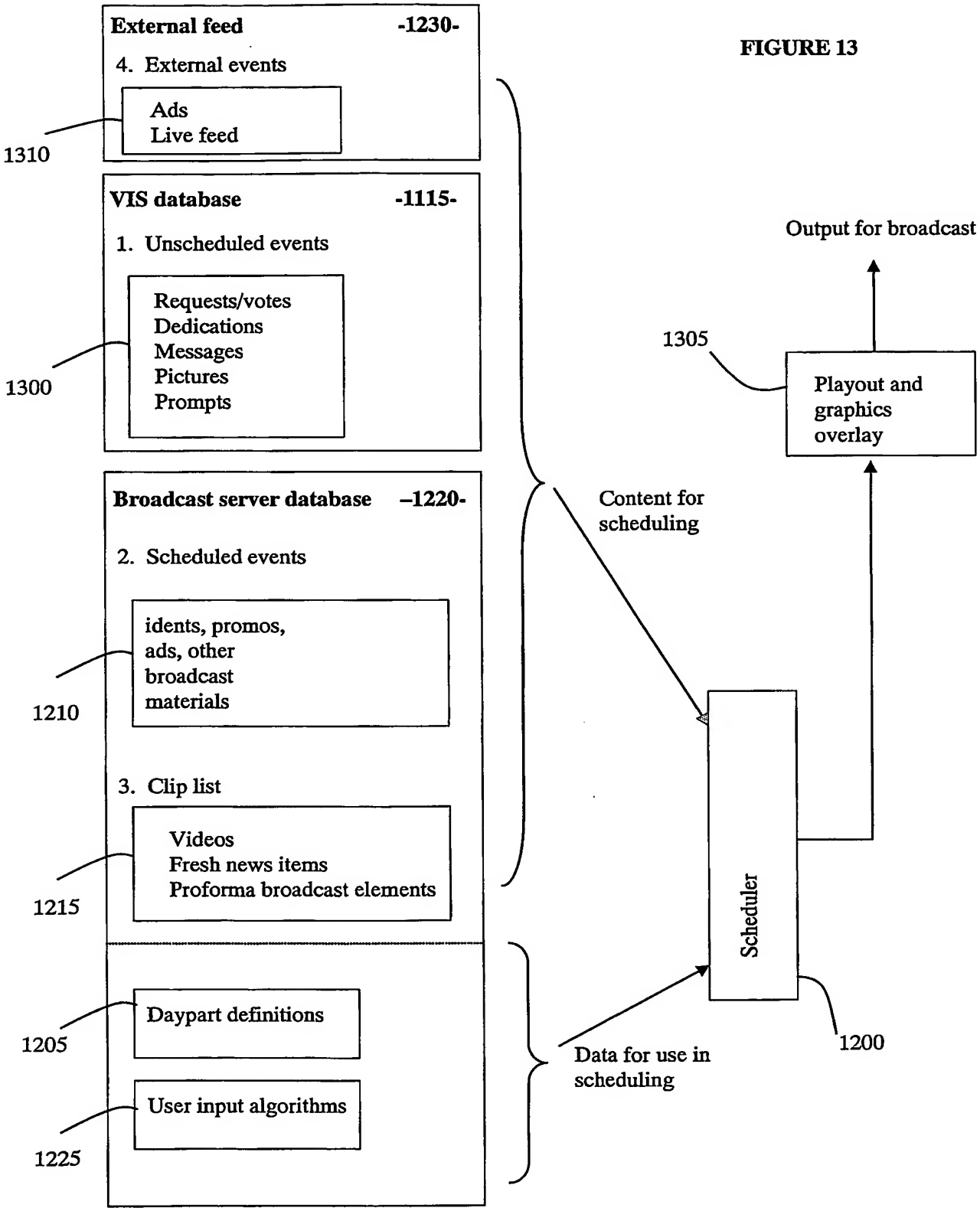
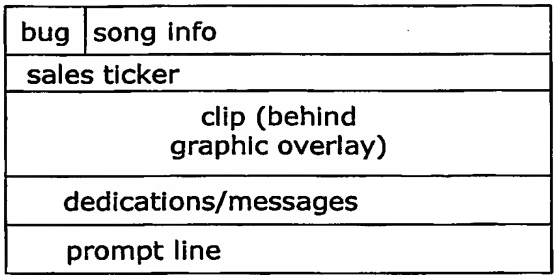

External feed -1230-
4. External events
Ads
Live feed
1310
VIS database -1115-
1. Unscheduled events
Requests/votes
Dedications
Messages
Pictures
Prompts
1300
Broadcast server database –1220-
2. Scheduled events
idents, promos, ads, other broadcast materials
1210
3. Clip list
Videos
Fresh news items
Proforma broadcast elements
1215
Daypart definitions
1205
User input algorithms
1225
Content for scheduling
Data for use in scheduling
Scheduler
1200
Output for broadcast
1305
Playout and graphics overlay

FIGURE 14


bug
song info
sales ticker
clip (behind graphic overlay)
dedications/messages
prompt line

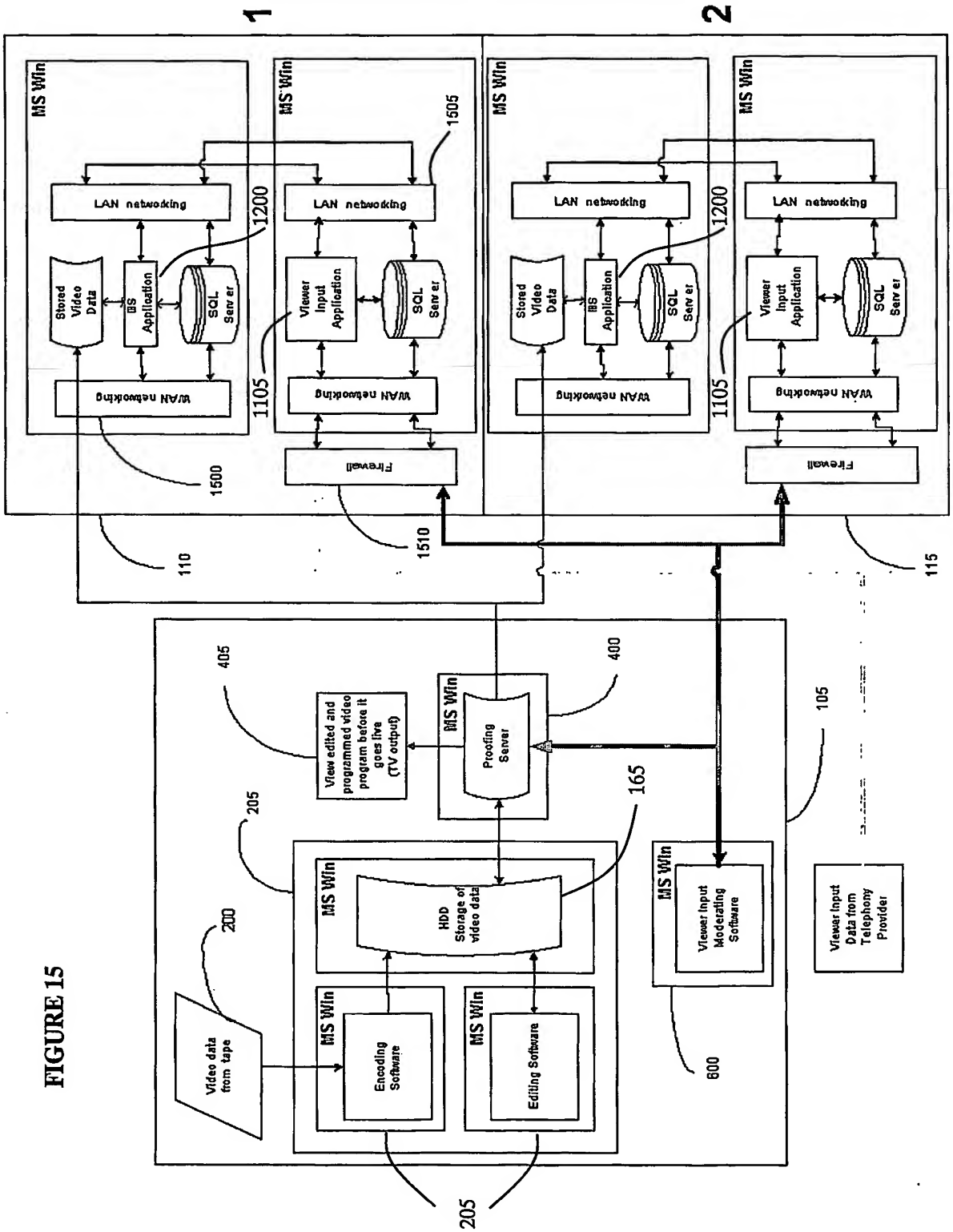

1
2
MS Win
LAN networking
Stored Video Data
IIS Application
SQL Server
Viewer Input Application
WAN networking
Firewall
1200
1105
1505
1500
1510
110
115
405
View edited and programmed video program before it goes live (TV output)
Proofing Server
400
105
205
165
HDD Storage of video data
Video data from tape
Encoding Software
Editing Software
Viewer Input Moderating Software
Viewer Input Data from Telephony Provider
200
600

FIGURE 15

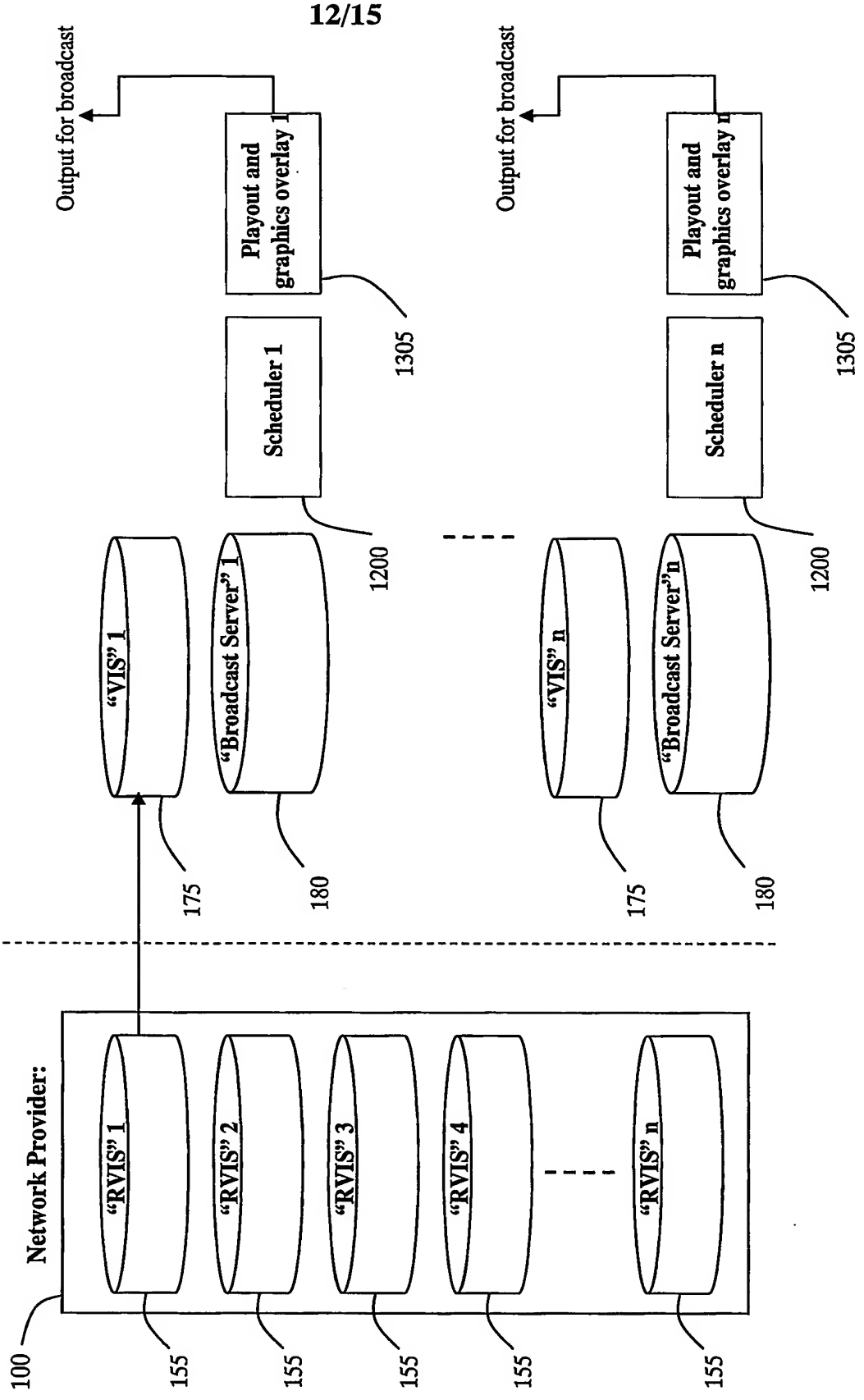

Network Provider:
"RVIS" 1
"RVIS" 2
"RVIS" 3
"RVIS" 4
"RVIS" n
100
155
155
155
155
155
One instance per channel broadcast:
"VIS" 1
"Broadcast Server" 1
175
180
Scheduler 1
1200
Playout and graphics overlay 1
1305
Output for broadcast
"VIS" n
"Broadcast Server"n
175
180
Scheduler n
1200
Playout and graphics overlay n
1305
Output for broadcast

FIGURE 16

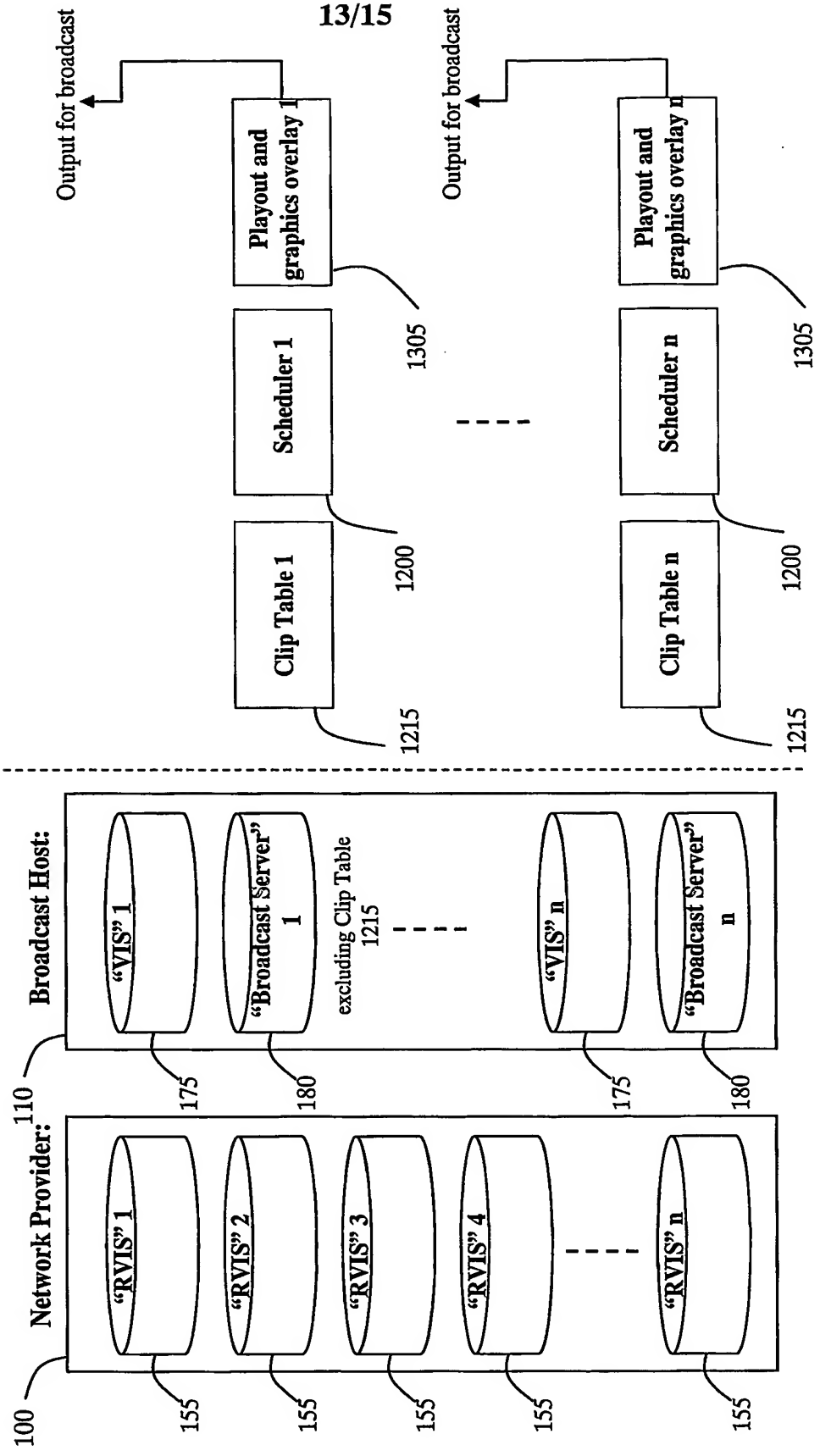

Network Provider:
100
"RVIS" 1
"RVIS" 2
"RVIS" 3
"RVIS" 4
"RVIS" n
155
Broadcast Host:
110
"VIS" 1
"VIS" n
175
"Broadcast Server" 1
"Broadcast Server" n
180
excluding Clip Table 1215
One instance per channel broadcast:
Clip Table 1
Clip Table n
1215
Scheduler 1
Scheduler n
1200
Playout and graphics overlay 1
Playout and graphics overlay n
1305
Output for broadcast
Output for broadcast

FIGURE 17

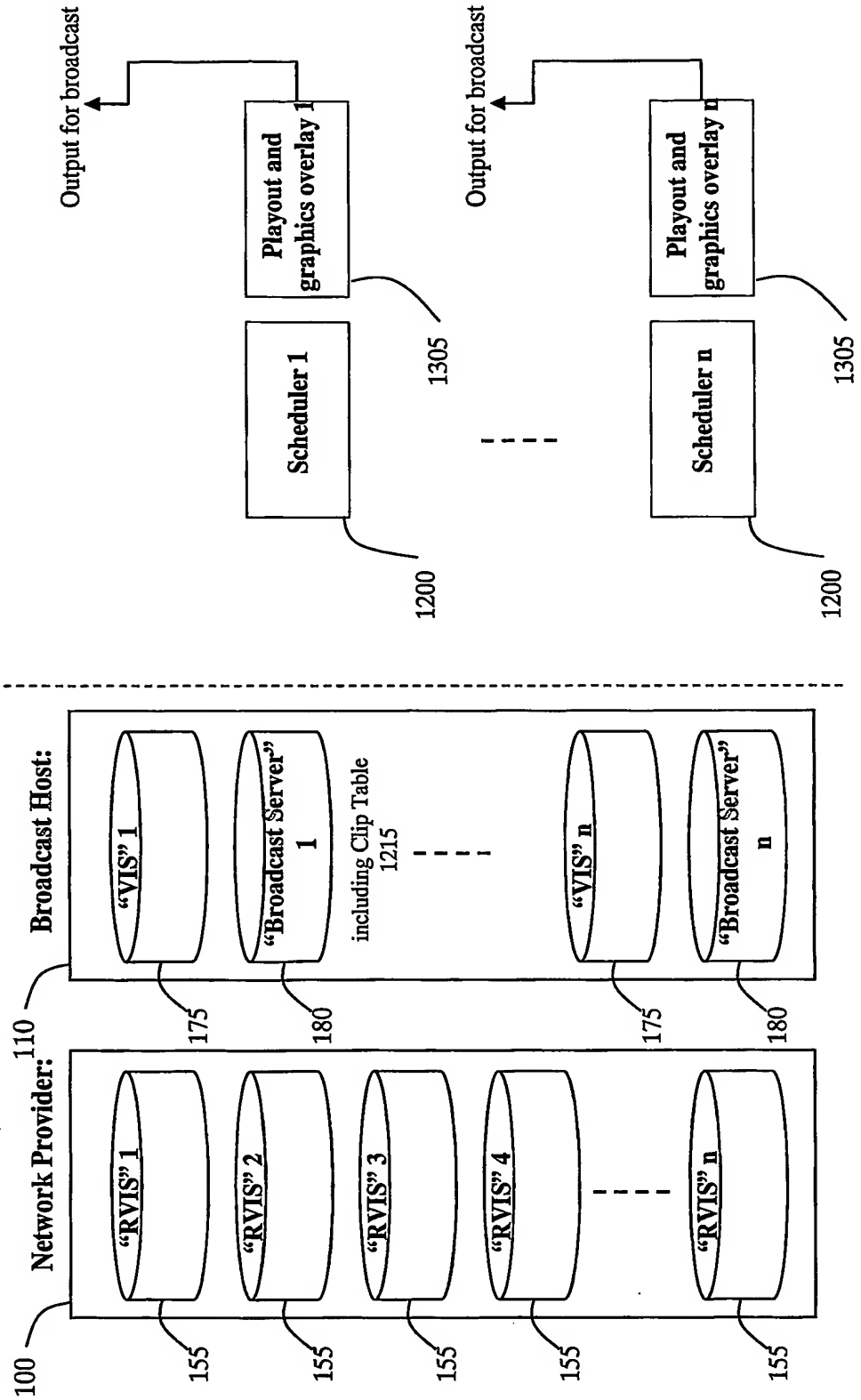

Network Provider:
100
"RVIS" 1
"RVIS" 2
"RVIS" 3
"RVIS" 4
"RVIS" n
155
Broadcast Host:
110
"VIS" 1
"VIS" n
175
"Broadcast Server" 1
"Broadcast Server" n
180
including Clip Table 1215
One instance per channel broadcast:
Scheduler 1
Scheduler n
1200
Playout and graphics overlay 1
Playout and graphics overlay n
1305
Output for broadcast
Output for broadcast

FIGURE 18

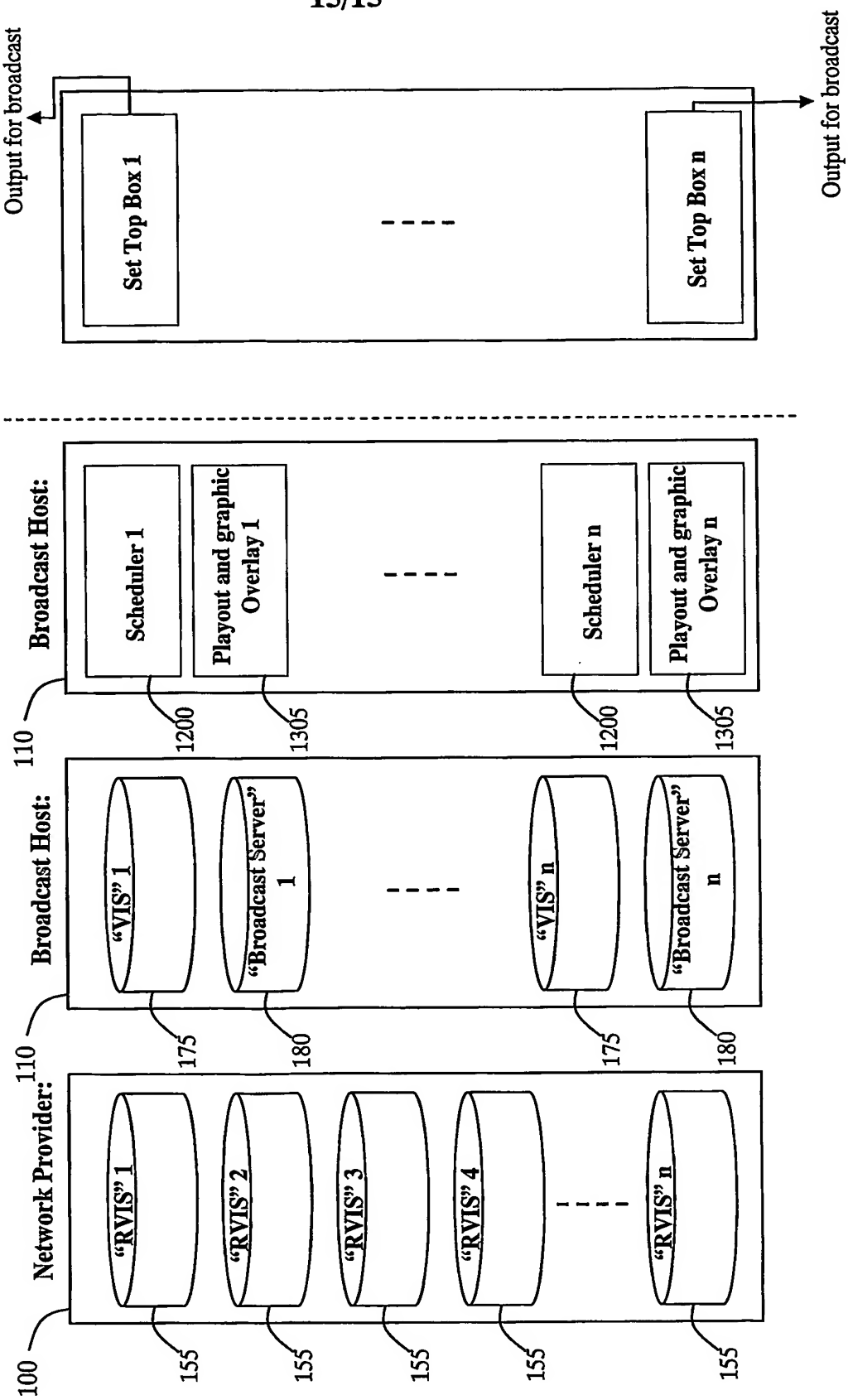

One instance per channel broadcast:
Output for broadcast
Set Top Box 1
Set Top Box n
Output for broadcast
Broadcast Host:
Scheduler 1
Playout and graphic Overlay 1
Scheduler n
Playout and graphic Overlay n
1200
1305
1200
1305
110
Broadcast Host:
"VIS" 1
"Broadcast Server" 1
"VIS" n
"Broadcast Server" n
175
180
175
180
110
Network Provider:
"RVIS" 1
"RVIS" 2
"RVIS" 3
"RVIS" 4
"RVIS" n
155
155
155
155
155
100

FIGURE 19